



Models
UBSSC-050
UBSSC-075
UBSSC-100
UBSSC-150
UBSSC-200
UBSSC-299

WALL MOUNTED
GAS BOILER

PARTS, KITS & OPTIONAL ACCESSORIES

Ordering Instructions

Order Parts through your nearest supplier.

When ordering parts, obtain Model Number and Serial Number from data plate on your boiler.

Include following information when ordering.

Part Number	
Part Description	
Boiler Model Number_	
Boiler Serial Number	



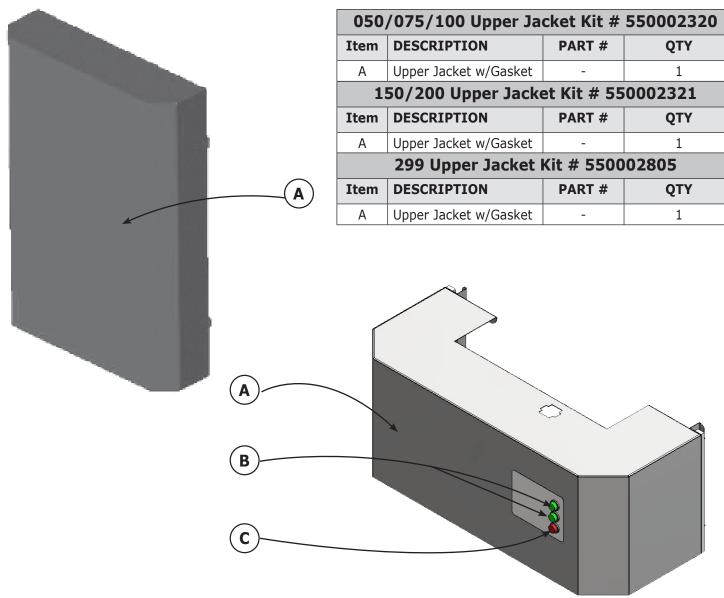
Manufactured by: ECR International

2201 Dwyer Avenue, Utica NY 13501 web site: www.ecrinternational.com

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JACKET KITS



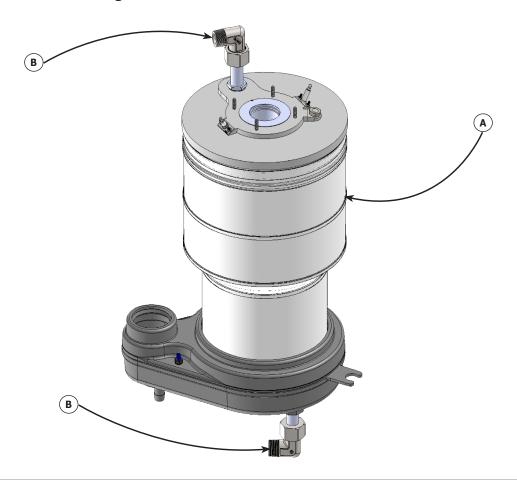
50,	/75/10	0 Lower Jacket Kit # 550	0002322		
Jacket Kit	ITEM	DESCRIPTION	PART #	QTY	
#550002322	А	Lower Jacket w/gasket	-	1	
includes all	В	Light,Indicator,Green,120vac	240008874	2	
items listed	С	Light,Indicator,Red,120vac	240008873	1	
15	50/200	Lower Jacket Kit # 5500	02323		
Jacket Kit	ITEM	DESCRIPTION	PART #	QTY	
#550002323	Α	Lower Jacket w/gasket	-	1	
includes all	В	Light,Indicator,Green,120vac	240008874	2	
items listed	С	Light,Indicator,Red,120vac	240008873	1	
299 Lower Jacket Kit # 550002806					
Jacket Kit	ITEM	DESCRIPTION	PART #	QTY	
#550002806	Α	Lower Jacket w/gasket	-	1	
includes all	В	Light,Indicator,Green,120vac	240008874	2	
items listed	С	Light,Indicator,Red,120vac	240008873	1	

HEAT EXCHANGER KITS

Heat Exchanger Kit - 050, 075, 100, 150, 200 MBH



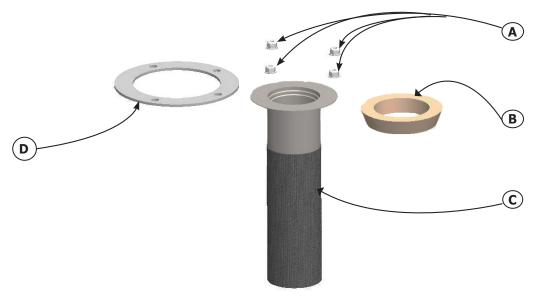
Heat Exchanger Kit with Integrated Flue Collector - 299 MBH



HEAT EXCHANGER KITS

		050 Heat Exchanger Kit # 550002271		
Heat	ITEM	DESCRIPTION	PART #	QTY
Exchanger Kit #550002271	А	Heat Exchanger Module (includes: Igniter, Flame Sensor)	-	1
includes all	В	Fitting, Compression 90°, 20 mm tube x 3/4 NPT	-	2
items listed	*	Instructions	240008928	1
		075 Heat Exchanger Kit # 550002272		
Heat Exchanger Kit	Α	Heat Exchanger Module (includes: Igniter, Flame Sensor)	-	1
#550002272 includes all	В	Fitting, Compression 90°, 20 mm tube x 3/4 NPT	-	2
items listed	*	Instructions	240008928	1
		100 Heat Exchanger Kit # 550002273		
Heat Exchanger Kit	Α	Heat Exchanger Module (includes: Igniter, Flame Sensor)	-	1
#550002273 includes all	В	Fitting, Compression 90°, 20 mm tube x 3/4 NPT	-	2
items listed	*	Instructions	240008928	1
		150 Heat Exchanger Kit # 550002274		
Heat	ITEM	DESCRIPTION	PART #	QTY
Exchanger Kit #550002274	А	Heat Exchanger Module (includes: Igniter, Flame Sensor)	-	1
includes all	В	Fitting, Compression 90°, 25 mm tube x 1 NPT	-	2
items listed	*	Instructions	240008928	1
		200 Heat Exchanger Kit # 550002275		
Heat	Α	Heat Exchanger Module (includes: Igniter, Flame Sensor)	-	1
Exchanger Kit #550002275	В	Fitting, Compression 90°, 25 mm tube x 1 NPT	-	2
includes all items listed	*	Instructions	240008928	1
		299 Heat Exchanger Kit # 550002808		
Heat Exchanger Kit	А	Heat Exchanger Module (includes: Heat Exchanger Coil, Top Cap, Igniter, Flame Sensor with Flue Collector Installed)	-	1
#550002808	В	Fitting, Compression 90°, 25 mm tube x 1 NPT	-	2
includes all items listed	*	Instructions	240010108	1

BURNER REPLACEMENT KITS



50/0	75/100	/150/200 Burner Inspection Kit	# 550002280	
	ITEM	DESCRIPTION	PART #	QTY
	Α	1/4-20 Nut	-	8
Replacement	В	Burner Sleeve, Refractory	-	1
Inspection Kit #550002280	D	Gasket, Air/Fuel Inlet	-	1
includes all	*	Fiber Gasket	-	1
items listed	*	Igniter Gasket	-	1
	*	8-32 Hex Nut	-	4
	*	Instructions	240008931	1
	299	Burner Inspection Kit # 550002	2818	
	ITEM	DESCRIPTION	PART #	QTY
	A	1/4-20 Nut	-	8
Replacement	В	Burner Sleeve, Refractory	-	1
Inspection Kit #550002818	D	Gasket, Air/Fuel Inlet	-	1
includes all	*	Fiber Gasket	-	1
items listed	*	Igniter Gasket	-	1
	*	8-32 Hex Nut	-	4
	*	Instructions	240010107	1
* Not Shown				

	050	Replacement Burner Kit # 550002	2276	
	ITEM	DESCRIPTION	PART #	QTY
	Α	1/4-20 Nut	-	4
Replacement	В	Burner Sleeve, Refractory	-	1
Burner Kit	С	Burner 50K BTU	-	1
#550002276 includes all	D	Fiber Gasket	-	1
items listed	*	Igniter Gasket	-	1
	*	8-32 Hex Nut	-	2
	*	Instructions	240008933	1

BURNER REPLACEMENT KITS

Burner Replacement Kits - Conti.

	075	Replacement Burner Kit # 55000)2277	
	Α	1/4-20 Nut	-	4
Replacement Burner Kit	В	Burner Sleeve, Refractory	-	1
	С	Burner 75K BTU	-	1
#550002277	D	Fiber Gasket	-	1
includes all	*	Igniter Gasket	-	1
items listed	*	8-32 Hex Nut	-	2
	*	Instructions	240008933	1
	100	Replacement Burner Kit # 55000)2278	
	Α	1/4-20 Nut	-	4
	В	Burner Sleeve, Refractory	-	1
Replacement Burner Kit	С	Burner 100K BTU	-	1
#550002278	D	Fiber Gasket	-	1
includes all	*	Igniter Gasket	-	1
items listed	*	8-32 Hex Nut	-	2
	*	Instructions	240008933	1
	150/2	00 Replacement Burner Kit # 550	0002279	
	Α	1/4-20 Nut	-	4
	В	Burner Sleeve, Refractory	-	1
Replacement Burner Kit	С	Burner 150K BTU	-	1
#550002279	D	Fiber Gasket	-	1
includes all	*	Igniter Gasket	-	1
items listed	*	8-32 Hex Nut	-	2
	*	Instructions	240008933	1
	299	Replacement Burner Kit # 55000	2809	
	Α	1/4-20 Nut	-	4
Replacement	В	Burner Sleeve, Refractory 299 MBH	-	1
Burner Kit	С	Burner 299K BTU	-	1
#550002809	D	Fiber Gasket	-	1
includes all items listed	*	Igniter Gasket	-	1
items iisteu	*	8-32 Hex Nut	-	2
	*	Instructions	240010106	1

IGNITER KITS



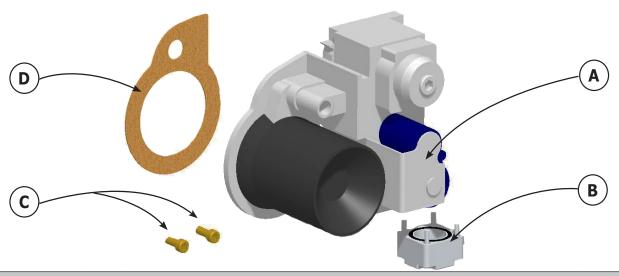
050	/075/1	00 Igniter Kit # 55	0002190	
	ITEM	DESCRIPTION	PART #	QTY
Igniter Kit	Α	8-32, Hex Nut	-	2
#550002190 includes all	В	Igniter	-	1
items listed	С	Igniter Gasket	-	1
	*	Instructions	240008592	1
150	/200/2	99 Igniter Kit # 55	0002282	
	ITEM	DESCRIPTION	PART #	QTY
Igniter Kit	Α	8-32 Hex Nut	-	2
#550002282 includes all	В	Igniter	-	1
items listed	С	Igniter Gasket	-	1
	*	Instructions	240008592	1
* Not Shown				

FLAME SENSOR KITS



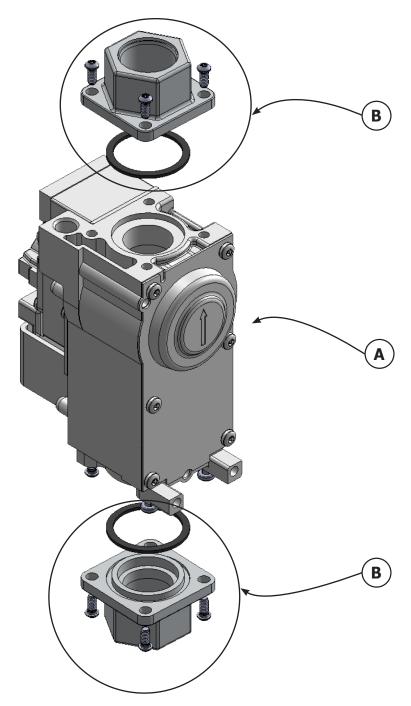
050/	075/10	0 Flame Sensor Kit #	#550002283		
Flame	ITEM	DESCRIPTION	PART #	QTY	
Sensor Kit	А	8-32 Hex Nut	-	2	
#550002283 includes all	В	Sensor Flame	-	1	
items listed	*	Instructions	240008593	1	
15	50/200	Flame Sensor Kit #5	50002284		
Flame	ITEM	DESCRIPTION	PART #	QTY	
Sensor Kit	А	8-32 Hex Nut	-	2	
#550002284 includes all	В	Sensor Flame	-	1	
items listed	*	Instructions	240008593	1	
299 Flame Sensor Kit #550002810					
Flame	ITEM	DESCRIPTION	PART #	QTY	
Sensor Kit	Α	8-32 Hex Nut	-	2	
#550002810 includes all	В	Sensor Flame 299 MBH	-	1	
items listed	*	Instructions	240008593	1	
* Not Shown					

GAS VALVE KITS - 050/075/100/150/200 MBH



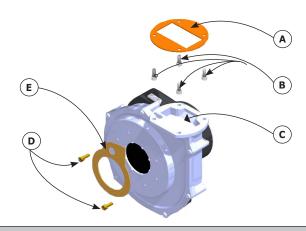
A Gas Valve, 050, VK4115V, Venturi Included - 1 B Gas Valve Flange Kit 1235008 1 C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 Instructions 240008939 1 OF Gas Valve Kit 550002285 Includes all items listed			050 Gas Valve Kit # 550002329		
#550002329 includes all items listed D Gasket, Cork * Instructions O75 Gas Valve Kit #550002285 Gas Valve Kit #550002285 Includes all items listed D Gasket, Cork A Gas Valve Flange Kit #550002285 includes all items listed D Gasket, Cork D Gasket, Cork 1250021 1 100 Gas Valve Kit #550002286 includes all items listed D Gasket, Cork D Gasket, Cork 1250021 1 100 Gas Valve Kit #550002286 includes all items listed Formula Flange Kit #550002286 includes all items listed Gas Valve Kit #550002286 includes all items listed Formula Flange Kit C Screw, T25 Torx D Gasket, Cork 1250021 1 150 Gas Valve Kit #550002287 includes all items listed Formula Flange Kit Gas Valve Kit #550002287 includes all items listed Formula Flange Kit C Screw, T25 Torx D Gasket, Cork 1250021 1 150 Gas Valve Kit #550002287 includes all items listed Formula Flange Kit C Screw, T25 Torx D Gasket, Cork 1250021 1 150 Gas Valve Kit #550002287 Includes all items listed Formula Flange Kit C Screw, T25 Torx D Gasket, Cork 1250021 T Screw, T25 Torx D Gasket, Cork T Screw, T25 Torx D Gasket, Cork T Screw, T25 Torx D Gasket, Cork T Screw, T25 Torx C Screw, T25 Torx D Gasket, Cork T Screw, T25 Torx T Screw, T25 Torx T Screw, T25 Torx T Screw, T25		Α	Gas Valve, 050, VK4115V, Venturi Included	-	1
Includes all Items listed D Gasket, Cork 1250021 1 1 1 1 1 1 1 1 1		В	Gas Valve Flange Kit	1235008	1
Tems listed D Gasket, Cork 1250021 1 240008939 1		С	Screw, T25 Torx	-	2
A Gas Valve Kit # 550002285 Screw, T25 Torx Cas Valve Kit # 550002286 Cas Valve Kit # 550002287 Cas Valve Kit # 550002288 Cas Valve Kit # 55000288 Cas Valve Kit # 55000288 Cas Valve Kit # 55000288 Cas Valve Kit # 550002288 Cas Valve Kit # 55000288 Cas Valve Kit # 55000288 Cas Valve K		D	Gasket, Cork	1250021	1
A Gas Valve, 075, VK4115V, Venturi Included - 1		*	Instructions	240008939	1
B Gas Valve Kit #550002285 C Screw, T25 Torx - 2 2 2 2 2 2 2 2 2			075 Gas Valve Kit # 550002285		
#550002285 includes all items listed		Α	Gas Valve, 075, VK4115V, Venturi Included	-	1
Includes all Items listed D Gasket, Cork 1250021 1		В	Gas Valve Flange Kit	1235008	1
Table		С	Screw, T25 Torx	-	2
Thistructions 100 Gas Valve Kit # 550002286 Sas Valve, 100, VK4115V, Venturi Included - 1		D	Gasket, Cork	1250021	1
A Gas Valve, 100, VK4115V, Venturi Included - 1		*	Instructions	240008939	1
B Gas Valve Kit #550002286 includes all items listed			100 Gas Valve Kit # 550002286		
#550002286 includes all items listed C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1 150 Gas Valve Kit # 550002287 Includes all items listed A Gas Valve, 150, VK4115F, Venturi Included - 1 B Gas Valve Flange Kit 1235008 1 C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1 200 Gas Valve Kit # 550002288 includes all items listed A Gas Valve, 200, VK4115F, Venturi Included - 1 Gas Valve Kit # 550002288 includes all items listed A Gas Valve, 200, VK4115F, Venturi Included - 1 Gas Valve Kit # 550002288 includes all items listed A Gas Valve Flange Kit 1235008 1 C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 Instructions 240008939 1		Α	Gas Valve, 100, VK4115V, Venturi Included	-	1
C Screw, 125 forx - 2		В	Gas Valve Flange Kit	1235008	1
Tems listed		С	Screw, T25 Torx	-	2
A Gas Valve Kit # 550002287 Gas Valve Kit # 550002287 includes all items listed		D	Gasket, Cork	1250021	1
A Gas Valve, 150, VK4115F, Venturi Included - 1		*	Instructions	240008939	1
Gas Valve Kit #550002287 includes all items listed B Gas Valve Flange Kit 1235008 1 C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1 * Gas Valve Kit #550002288 A Gas Valve, 200, VK4115F, Venturi Included - 1 * Gas Valve Flange Kit 1235008 1 * C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1			150 Gas Valve Kit # 550002287		
#550002287 includes all items listed C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1 200 Gas Valve Kit # 550002288 includes all items listed A Gas Valve, 200, VK4115F, Venturi Included - 1 B Gas Valve Flange Kit 1235008 1 C Screw, T25 Torx - 2 D Gasket, Cork 1250021 1 * Instructions 240008939 1		Α	Gas Valve, 150, VK4115F, Venturi Included	-	1
Includes all items listed		В	Gas Valve Flange Kit	1235008	1
Tems listed D Gasket, Cork 1250021 1 * Instructions 240008939 1 * Z00 Gas Valve Kit # 550002288 Gas Valve Kit # 550002288		С	Screw, T25 Torx	-	2
C Screw, T25 Torx D Gasket, Cork Tostructions Tostructions Castructions Castruct		D	Gasket, Cork	1250021	1
A Gas Valve, 200, VK4115F, Venturi Included - 1		*	Instructions	240008939	1
Gas Valve Kit #550002288 includes all items listed B Gas Valve Flange Kit 1235008 1 D Gasket, Cork - 2 Total control items listed 1250021 1 * Instructions 240008939 1			200 Gas Valve Kit # 550002288		
#550002288 includes all items listed		Α	Gas Valve, 200, VK4115F, Venturi Included	-	1
includes all items listed		В	Gas Valve Flange Kit	1235008	1
items listed D Gasket, Cork 1250021 1 * Instructions 240008939 1		С	Screw, T25 Torx	-	2
111Structions 24000535 1		D	Gasket, Cork	1250021	1
* Not Shown		*	Instructions	240008939	1
	* Not Shown				

GAS VALVE KIT - 299 MBH



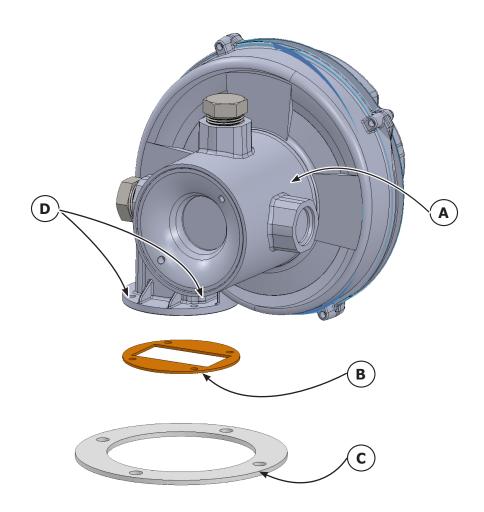
		299 Gas Valve Kit # 550002811		
Gas Valve Kit	Α	Gas Valve, 299, VR4615	-	1
#550002811	В	Gas Valve Flange Kit	-	1
includes all items listed	*	Instructions	240010104	1
* Not Shown				

BLOWER KIT - 050/075/100/150/200 MBH



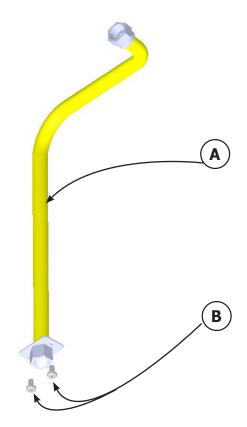
A	ART #	QTY 1 4 1 4 1 1 1
B	- - - 50021 - 008943	1 4 1 4 1
Motor Kit	- 0008943 - 50007 -	1 4 1 4 1
Motor Kit #550002291 D Screw, T25 Torx	- 0008943 - 50007 -	4 1 4 1
E Gasket, Cork 12	- 0008943 - 50007 -	1 4 1
E Gasket, Cork 12 * ¼-20 Hex Flange Nut * Instructions 240 * Instruction Piece 12 * B Screw,10-24 X 1/2" Socket Head Cap * Gasket, Fan/Transition Piece 12 * ½-550002292 D Screw, T25 Torx Includes all items listed * ¼-20 Hex Flange Nut * Instructions 240 * Z00 Blower Kit # 550002293 * A Red Gasket, Fan/Transition Piece 12 * Blower Motor Kit 5 * A Red Gasket, Fan/Transition Piece 12 * Blower Kit # 550002293 * Blower Kit # 550002293 * Blower Kit # 550002293 * Gasket, Cork 12 * Instructions 240 *	- 0008943	4
# 1/4-20 Hex Flange Nut # Instructions 240 # Red Gasket, Fan/Transition Piece 12 # B Screw,10-24 X 1/2" Socket Head Cap 2 # Blower, 120 V 50/60 HZ, RG148/1200-3612 # D Screw, T25 Torx 2 # Instructions 240 # Instructions 240 # Instructions 240 # Red Gasket, Fan/Transition Piece 120 # Blower Kit # 550002293 # A Red Gasket, Fan/Transition Piece 120 # Blower Kit # 550002293 # A Red Gasket, Fan/Transition Piece 120 # Blower, 120 V 50/60 HZ, RG148/1200-3633 # Screw, 10-24 X 1/2" SS Socket Head Cap 2 # Blower, 120 V 50/60 HZ, RG148/1200-3633 # Screw, T25 Torx 3 # Gasket, Cork 120 # Gaske	-	1
Blower A Red Gasket, Fan/Transition Piece 12	-	
A Red Gasket, Fan/Transition Piece 12	-	1
B	-	1
Blower	-	
Motor Kit C Blower, 120 V 50/60 HZ, RG148/1200-3612 #550002292 D Screw, T25 Torx includes all items listed E Gasket, Cork 12 * 1/4-20 Hex Flange Nut 240 * Instructions 240 * 200 Blower Kit # 550002293 A Red Gasket, Fan/Transition Piece 12 B Screw, 10-24 X 1/2" SS Socket Head Cap 12 Motor Kit C Blower, 120 V 50/60 HZ, RG148/1200-3633 12 #550002293 D Screw, T25 Torx 12 includes all items listed E Gasket, Cork 12	-	4
#550002292 D Screw, T25 Torx includes all items listed		1
* 1/4-20 Hex Flange Nut *	-	4
* 1/4-20 Hex Flange Nut * Instructions 240 200 Blower Kit # 550002293 A Red Gasket, Fan/Transition Piece 12 Blower Motor Kit	50021	1
A Red Gasket, Fan/Transition Piece 12	-	4
A Red Gasket, Fan/Transition Piece 12	008943	1
Blower Motor Kit #550002293 includes all items listed B Screw,10-24 X 1/2" SS Socket Head Cap C Blower, 120 V 50/60 HZ, RG148/1200-3633 D Screw, T25 Torx E Gasket, Cork 12		
Blower C Blower, 120 V 50/60 HZ, RG148/1200-3633	250007	1
Motor Kit C Blower, 120 V 50/60 HZ, RG148/1200-3633 #550002293 D Screw, T25 Torx includes all items listed E Gasket, Cork 12	-	4
includes all E Gasket, Cork 12	-	1
items listed	-	4
ITEMS (ISTER)	250021	1
* ¼-20 Hex Flange Nut	-	4
* Instructions 240	0008943	1
200 Blower Kit # 550003058 - High Altitude		
A Red Gasket, Fan/Transition Piece 12	250007	1
B Screw,10-24 X 1/2" SS Socket Head Cap	-	4
Blower Motor Kit C Blower, 120 V 50/60 HZ,130 W RG148/1200-3633	-	1
#550003058 D Screw, T25 Torx	-	4
includes all E Gasket, Cork 12	250021	1
items listed * 1/4-20 Hex Flange Nut	-	4
	2000042	1
* Not Shown	0008943	

BLOWER KIT - 299 MBH



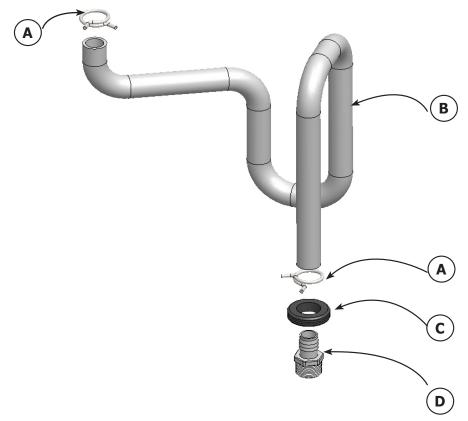
299 Blower Kit # 550002812					
	ITEM	DESCRIPTION	PART #	QTY	
Blower	Α	Blower, 120 V 50/60 HZ, NRG137, Venturi Intergrated			
Motor Kit #550002812	В	Red Gasket, Fan/Transition Piece	1250007	1	
includes all	С	Fiber Gasket	240009969	1	
items listed	D	1/4-20 Hex Flange Nut	-	4	
	*	Instructions	240010105	1	

FLEXIBLE GAS LINE KITS



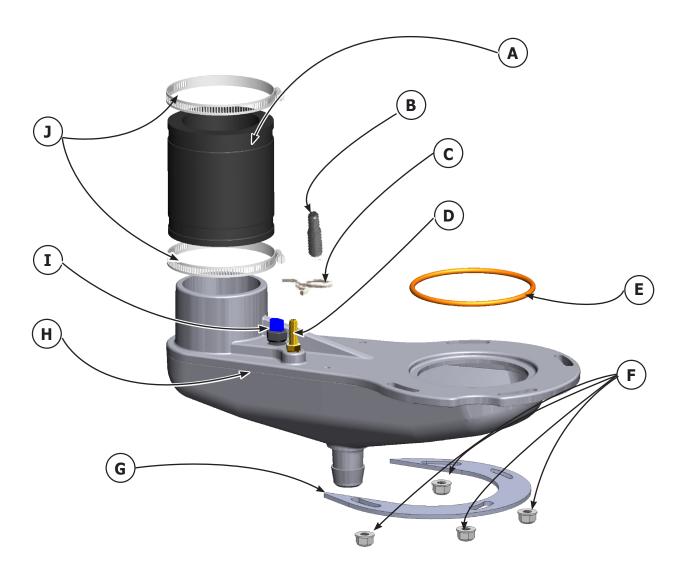
	050/075/100 Flexible Gas Line Kit # 550002289					
Flexible	ITEM	DESCRIPTION	PART #	QTY		
Gas Line Kit	Α	Flexible Gas Line 23½"	-	1		
#550002289 includes all	В	Screw, 12-24x1/2 Type F	-	2		
items listed	*	Instructions	240008941	1		
		150/200 Flexible Gas Line Kit # 5500022	90			
Flexible Gas Line Kit	Α	Flexible Gas Line 28"	-	1		
#550002290	В	Screw, 12-24x1/2 Type F	-	2		
includes all items listed	*	Instructions	240008941	1		
		299 Flexible Gas Line Kit # 550002813				
Flexible Gas Line Kit	А	Flexible Gas Line 15"	-	1		
#550002813	В	Screw, 12-24x1/2 Type F	-	2		
includes all items listed	*	Instructions	240008941	1		
* Not Shown						

CONDENSATE TRAP KITS



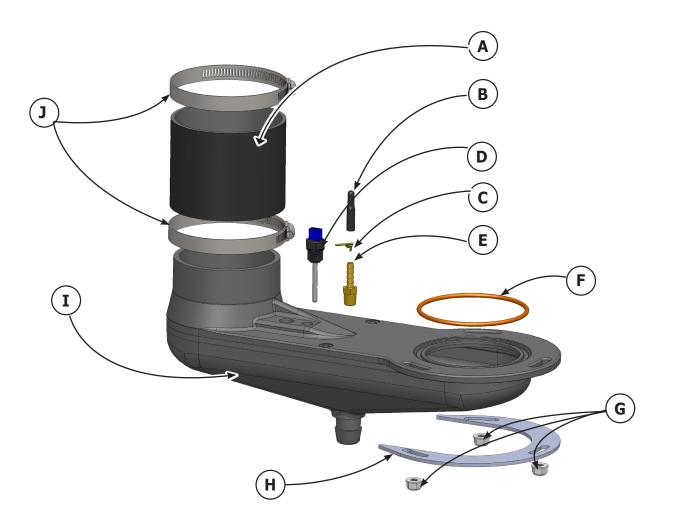
		050/075/100 Condensate Trap Kit # 55000	2296	
	ITEM	DESCRIPTION	PART #	QTY
Condensate	Α	Collet Clip, 1-1/8"	240008406	2
Trap Kit #550002296	В	Condensate Trap	-	1
includes all	С	Grommet, Heyco 1" ID x 1.75" OD	-	1
items listed	D	Coupling, Barbed 3/4"	-	1
	*	Instructions	240008948	1
		150/200 Condensate Trap Kit #5500022	97	
Condensate Trap Kit	А	Collet Clip, 1-1/8"	240008406	2
	В	Condensate Trap	-	1
#550002297	С	Grommet, Heyco 1" ID x 1.75" OD	-	1
includes all items listed	D	Coupling, Barbed 3/4"	-	1
items listed	*	Instructions	240008948	1
		299 Condensate Trap Kit #550002814		
Condensate	Α	Collet Clip, 1-1/8"	240008406	2
Trap Kit	В	Condensate Trap	-	1
#550002814	С	Grommet, Heyco 1" ID x 1.75" OD	-	1
includes all items listed	D	Coupling, Barbed 3/4"	-	1
	*	Instructions	240008948	1
* Not Shown				

CONDENSATE COLLECTOR KIT 050/075/100



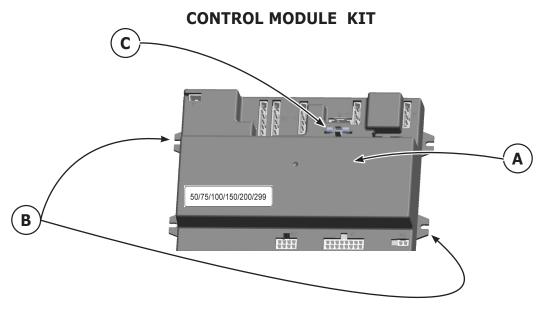
050/075/100 Condensate Collector Kit # 550002294					
	ITEM	DESCRIPTION	PART #	QTY	
	Α	Flexible Coupling	-	1	
	В	Cap black vinyl 3/16"	1230006	1	
	С	Clamp, Spring Tension	1110001	1	
Condensate	D	Hose Barb	1230010	1	
Collector Kit #550002294	Е	O-Ring for Condensate Collector	240008261	1	
includes all	F	1/4-20 Hex Flange Nut	-	4	
items listed	G	Flue Collector Bracket	109008777	1	
	Н	Condensate Collector Plastic	-	1	
	I	Sensor, Vent Temperature	240008227	1	
	J	Hose Clamp	-	2	
	*	Instructions	240008946	1	
* Not Shown					

CONDENSATE COLLECTOR KIT 150/200



	150/200	Condensate Collector Kit # 550	002295		
	ITEM	DESCRIPTION	PART #	QTY	
	Α	Flexible Coupling	-	1	
	В	Cap black vinyl 3/16"	1230006	1	
	С	Clamp, Spring Tension	1110001	1	
Condensate	D	Sensor, Vent Temperature	240008227	1	
Collector Kit	E	Hose Barb	1230010	1	
#550002295 includes all	F	O-Ring for Condensate Collector	240008699	1	
items listed	G	1/4-20 Hex Flange Nut	-	3	
	Н	Flue Collector Bracket	109008776	1	
	I	Condensate Collector Plastic	-	1	
	J	Hose Clamp	-	2	
	*	Instructions	240008946	1	
* Not Shown	* Not Shown				

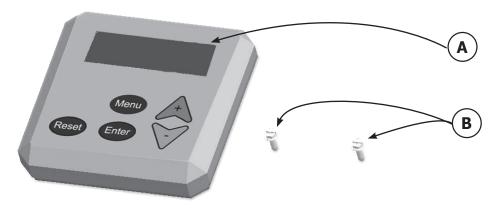
NOTE: 299 CONDENSATE COLLECTOR SOLD WITH HEAT EXCHANGER (SEE PAGES 4 & 5)



050/075/100/150/200/299 Control Module Kit # 550002583						
	ITEM	DESCRIPTION	PART #	QTY		
Control	А	Control Module	-	1		
Board Kit #550002583	В	Screw, 8-32x3/8, HWH, Slot Self Tapping	-	4		
includes all items listed	С	Fuse, 3.15A ac, 250V, Slo-Blo Glass 5x20mm (Additional fuse is included with control module on Boiler)	240008665	1		
	*	Instructions	240009314	1		
* Not Shown						

NOTE: IF BOILER HAS BEEN CONVERTED TO HIGH ALTITUDE - REPLACE EXISTING CONTROL WITH HIGH ALTITUDE KIT ONLY. SEE PAGE 25.

USER INTERFACE KIT



050/075/100/150/200/299 User Interface Kit # 550002299				
User	ITEM	DESCRIPTION	PART #	QTY
Interface Kit #550002299	Α	User Interface Control	-	1
includes all	В	Screw, 8-32 x 1/2" Type B	-	2
items listed	*	Instructions	240008930	1
* Not Shown				

WIRE HARNESS KITS

	050/075/100 Wire Harness Kit # 55000230	00	
	DESCRIPTION	PART #	QTY
	Main Boiler Wiring Assembly Harness	-	1
Wire	User Interface Wiring Harness	-	1
Harness Kit	Lower Jacket Wiring Harness	-	1
#550002300 includes all	Bushing Standard Heyco #1240	-	1
items listed	Screw, 6x3/8, Type B HPH, SZN	-	2
	Screw, 8-32x5/16, Self Tapping, Ground, Green	-	1
	Instructions	240008953	1
	150/200 Wire Harness Kit # 550002315		
	Main Boiler Wiring Assembly Harness	-	1
Wire	User Interface Wiring Harness	-	1
Harness Kit	Lower Jacket Wiring Harness	-	1
#550002315	Cord Grip, 1/2 NPT	-	1
includes all items listed	Screw, 6x3/8, Type B HPH, SZN	-	2
items listed	Screw, 8-32x5/16, Self Tapping, Ground, Green	-	1
	Instructions	240008953	1
	150/200 Wire Harness Kit # 550002835 W/ Pump Rel	ay Terminals	
	Main Boiler Wiring Assembly Harness with Pump Relay Terminals	-	1
Wire	User Interface Wiring Harness	-	1
Harness Kit	Lower Jacket Wiring Harness	-	1
#550002835	Cord Grip, 1/2 NPT	-	1
includes all items listed	Screw, 6x3/8, Type B HPH, SZN	-	2
items iisted	Screw, 8-32x5/16, Self Tapping, Ground, Green	-	1
	Instructions	240008953	1
	299 Wire Harness Kit # 550002815		
	Main Boiler Wiring Assembly Harness	-	1
Wire	User Interface Wiring Harness	-	1
Harness Kit	Lower Jacket Wiring Harness	-	1
#550002815	Cord Grip, 1/2 NPT	-	1
includes all items listed	Screw, 6x3/8, Type B HPH, SZN	-	2
items iisted	Screw, 8-32x5/16, Self Tapping, Ground, Green	-	1
	Instructions	240008953	1

HEAT EXCHANGER SURFACE TEMPERATURE SWITCH KITS

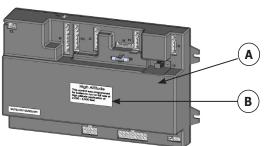
Не	Heat Exchanger Surface Temperature Switch 50/75/100 Kit #550002554				
\A/:	DESCRIPTION	PART #	QTY		
Wire Harness Kit	Temperature Switch Bracket 50/75/100	-	1		
#550002554	Temperature Switch L300-40F	240009508	1		
includes all	Wire Harness, Temperature Switch	-	1		
items listed	Instructions	240009568	1		
F	leat Exchanger Surface Temperature Switch 150/200 Ki	t #550002555			
Wire	Temperature Switch Bracket 150/200	-	1		
Harness Kit	Temperature Switch L300-40F	240009508	1		
#550002555 includes all	Wire Harness, Temperature Switch	-	1		
items listed	Instructions	240009568	1		
	Heat Exchanger Surface Temperature Switch 299 Kit #	550002820			
Wire	Temperature Switch Bracket 299	-	1		
Harness Kit	Temperature Switch L300-40F	240009508	1		
#550002820 includes all	Wire Harness, Temperature Switch	-	1		
items listed	Instructions	240009568	1		

GAS CONVERSION KITS

	050 Gas Conversion Kit # 550	0002303	
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP, 3.8mm	-	1
Kit	Label, "Converted By"	_	2
#550002303	Label, "Nat to LP" conversion plate	_	1
includes all items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1
	075 Gas Conversion Kit # 550		_
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP, 3.9mm	-	1
Kit	Label, "Converted By"	-	2
#550002304 includes all	Label, "Nat to LP" conversion plate	_	1
items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1
	100 Gas Conversion Kit # 550	0002305	•
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP, 4.6mm	-	1
Kit #FF000330F	Label, "Converted By"	-	2
#550002305 includes all	Label, "Nat to LP" conversion plate	-	1
items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1
	150 Gas Conversion Kit # 550	0002306	
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP, 5.4mm	-	1
Kit #550002306	Label, "Converted By"	-	2
includes all	Label, "Nat to LP" conversion plate	-	1
items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1
	200 Gas Conversion Kit # 550	0002307	
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP,5.9mm	-	1
Kit	Label, "Converted By"	-	2
#550002307 includes all	Label, "Nat to LP" conversion plate	-	1
items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1
	299 Gas Conversion Kit # 550	0002799	
	DESCRIPTION	PART #	QTY
Conversion	Orifice, LP,9.6mm	-	1
Kit #550002799	Label, "Converted By"	-	2
includes all	Label, "Nat to LP" conversion plate	-	1
items listed	Label, "LP to Nat" conversion plate	-	1
	Instructions	240008957	1

OPTIONAL ACCESSORIES

High Altitude Kit



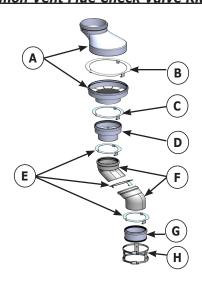
	050/075/100/150/299 High Altitude Kit # 550002819				
	High Altitude Kit #550002819 includes all items listed	ITEM	DESCRIPTION	PART #	QTY
		А	Control Module - High Altitude 2000 - 4500 ft.	-	1
		В	High Altitude label	-	1
١		NOT SHOWN	Instructions, High Altitude	240010113	1

Floor Stand Kit



Floor Stand Kit # 240010266						
	DESCRIPTION	PART #	QTY			
	Left Upright - not interchangeable	-	1			
	Right Upright - not interchangeable	-	1			
	Base Leg	-	2			
	Brace	-	2			
Floor	Upper Cross Member	-	1			
Stand Kit #240010266	Lower Cross Member	-	1			
includes all	Base Foot	-	4			
items listed	1/4 - 20 x % Serrated Hex Flange Head Bolt	-	26			
	1/4 - 20 Serrated Hex Flange Head Nut	-	26			
	5/16 - 18 x ¾ Serrated Hex Head Bolt	-	4			
	5/16 - 18 Serrated Flange Head Nut	-	4			
	Instructions, Floor Stand	240010265	1			

Common Vent Flue Check Valve Kit



150/	150/200/299 Common Vent Flue Check Valve Kit 240010299				
ITEM	DESCRIPTION	QTY			
Α	2 Piece Back Flow Valve	1			
В	6" Locking Band	1			
С	4 " Locking Band	1			
D	3" to 4" Increaser	1			
Е	3" Locking Band	3			
F	3" 45° Elbow	2			
G	3" Adapter for PVC Coupler	1			
Н	Adapter Connector	1			
-	Instructions	1			

OPTIONAL ACCESSORIES

050/075/100 Condensate Neutralizer Kit # 550003006						
DESCRIPTION	PART #	QTY				
Condensate Neutralizer 240010862	includes:					
Single Neutralizer Tube	-	1				
3/4" Barbed Y	-	1				
3/4" Union	-	2				
10Ft 3/4" Hose	-	1				
3/4" Hose Clamp	-	6				
3/4" NPT to 3/4" Barb	-	3				
Neutralizing Material	240010871	2.5 lbs				
Base/Wall Mounting Clamp	-	2				
Instructions	240010861	1				

200/299 Condensate Neutralizer Kit # 550003005						
DESCRIPTION	PART #	QTY				
Condensate Neutralizer 240010863 i	ncludes:					
Double Neutralizer Tube	-	2				
3/4" Barbed Y	-	1				
3/4" Union	-	2				
10Ft 3/4" Hose	-	1				
3/4" Hose Clamp	-	6				
3/4" NPT to 3/4" Barb	-	3				
Neutralizing Material	240010871	2.5 lbs				
Base/Wall Mounting Clamp	-	2				
Instructions	240010861	1				

Stain	Stainless Boiler Alarm Signal Output Kit #550002997							
Alarm Signal	Description	Part #	Qty					
Output Kit #550002997	Alarm Output Wire Harness	240010829	1					
includes all items listed	Kit Instructions	240010830	1					

Concentric Vent Kits						
DESCRIPTION	PART #					
2" Concentric Vent Kit (1)	29570					
3" Concentric Vent Kit (2) 29571						
(1) 2" For use with 050/075/100						
(2) 3" For use with 075-29	9 only					

Multi Boiler Sensor Kit # 550002186						
Multi Boiler	DESCRIPTION	PART #	QTY			
Sensor Kit	Sensor, 12K, NTC, 6x45MM	240008465	1			
#550002186	Well, 1/2 NPT Copper/Brass	240008466	1			
includes all items listed	Sensor Well Lock Clip	240008467	1			
items listed	Instructions, Multi Boiler Sensor	240008959	1			

Additional Heating Device Connection Kit (ie. Solar, Wood, etc.) Kit # 550002875							
	DESCRIPTION	PART #	QTY				
	AR822 Control	Z140C	2				
Kit # 550002875	System Sensor	240008465	1				
includes all items	System Sensor Well	240008466	1				
listed	Well Clip	240008467	1				
	Kit Instructions	240010355	1				

MISC. REPLACEMENT PARTS

Replacement Parts						
	DESCRIPTION PART #					
	Igniter Cable 050/075/100/150/200	240008844				
	Ignitor Cable 299	240009888				
-	Sight Glass	240008235				
	Pump, Grundfos UP15-42F (050/075/100)	240008246				
	Pump, Grundfos UP26-99 (150/200)	240008701				
×	* Pump, Grundfos UPS26-150 FC (299)	240010188				
	*Pump, Taco 1/2 HP, (299)	240009836				
	*Pump, B & G 1/2 HP, (299)	240009971				
	Boiler Drain Valve	240009323				
	LWCO, Hydrolevel Safeguard 1100 MINI, 24 VAC	240008250				
There I	LWCO, Taco 1100 (299)	240009838				
10 10 10 10 10 10 10 10 10 10 10 10 10 1	High Temperature Supply Switch	240008290				

Replacement Parts							
	DESCRIPTION PART #						
	Sensor, Return Water (050/075/100)	240008226					
	Sensor, Return Water (150/200/299)	240008703					
	Sensor, Flue	240008227					
7	Clamp, 1-1/8" Spring Tension for Condensate Trap	240008406					
	Ball Valve 1/2" Female NPT x 5/8", FLR (Gas Shutoff valve) (050/075/100/150/200/299)	240008297					
	Ball Valve 3/4" Female (Gas Shutoff valve) (299)	14657001					
	***Safety Relief Valve (30 PSI) Conbraco 10-407-05	VR-001.01					
	Air Vent, Watts FV-4M1, 1/4 NPT	240008458					
	Wall Bracket Sizes 050/075/100	109008079					
= =	Wall Bracket Sizes 150/200/299	109008347					
	Cap Black Vinyl 3/16"	1230006					
7	Clamp, Spring Tension for Black Vinyl Cap	1110001					

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MISC. REPLACEMENT PARTS - CONTI.

Replacement Parts						
	DESCRIPTION	PART #				
	Temperature Switch L300-40F	240009508				
	Sensor, Outdoor	240008225				
	** Gauge, Temperature Pressure, 2" shank (0 ~ 75 psi)	1260006				
	** Gauge, Temperature Pressure, 2" shank (0 ~ 200 psi)	GA00501				
4	Fuse, 3.15A AC, 250V, Slo-Blo Glass 5x20mm	240008665				
	Relay, 120 VAC, 10 A	240008410				

^{*} When ordering an optional pump other than factory supplied, 4 field sourced proper length bolts may be required.

^{**} For low pressure system , use $0\sim75$ psi factory supplied pressure temperature gauge. For system pressure higher than 60 psi, use optional or field sourced $0\sim200$ psi pressure temperature gauge.

^{***} For heating system with system pressure high than 25 psi, field source proper Safety relief valve.

QUICK INDEX

KIT	KIT	Al	APPLIED ON MODELS			INSTRUCTION		
NAME	NO.	50	75	100	150	200	299	NO.
Additional Hoating								<u> </u>
Additional Heating Device Connection Kit	550002875	✓	✓	✓	✓	✓	✓	240010355
Alarm Signal Output Kit	550002997	✓	✓	✓	✓	✓	✓	240010830
	550002291	√	√	√				
Blower	550002292				√			240008943
Replacement Kit	550002293					√		
	550002812						✓	240010105
Blower High Altitude Replacement Kit	550003058					✓		240008943
	550002276	✓						
_	550002277		✓					24000000
Burner	550002278			✓				240008933
Replacement Kit	550002279				✓	✓		
	550002809						✓	240010106
Burner Inspection	550002280	✓	√	✓	✓	√		240008931
Kit	550002818						√	240010107
Common Vent Flue Check Valve Kit	240010299				✓	✓	✓	N/A
Condensate Neutralizer	550003006	✓	√	✓	√			
Kit	550003005					✓	√	240010861
Concentric Vent	29570 (2")	√	✓	√				27/4
Kit	29571 (3")	✓	√	√	√	√	√	N/A
Condensate Collector	550002294	✓	✓	✓				
Replacement Kit	550002295				√	√		240008946
_	550002296	√	√	√				
Condensate Trap	550002297				✓	√		240008948
Replacement Kit	550002814						√	
Control Module Replacement Kit	550002583	✓	✓	√	✓	✓	✓	240009314
·	550002283	√	√	✓				
Flame Sensor	550002284				√	√		240008593
Replacement Kit	550002810						√	
5 1 11 5	550002289	√	√	√				
Flexible Gas Line	550002290				√	✓		240008941
Replacement Kit	550002813						√	
Floor Stand Kit	240010266	✓	√	√	√	√	√	240010265
	5010200							5010105

QUICK INDEX - CONTI.

NAME	KIT	KIT	A	APPLIED ON MODELS			ON MODELS INSTRUCTIO	INSTRUCTION	
S50002285	NAME	NO.	50	75	100	150	200	299	NO.
Separation Se		550002329	√						
Replacement Kit 550002287		550002285		√					_
Replacement Kit	Gas Valve (Automatic)	550002286			√				240008939
S50002811		550002287				√			
### Exchanger Surface Temperature Switch Kit	•	550002288					✓		
Temperature Switch S50002555 V V V 240009568		550002811						✓	240010104
Temperature Switch S50002555	Heat Exchanger Surface	550002554	√	√	√				
### ##################################		550002555				✓	✓		240009568
S50002272	Kit	550002820	1					✓	
Heat Exchanger S50002273		550002271	√						
Replacement Kit		550002272		√					
S50002275	Heat Exchanger	550002273			√				240008928
S50002808	Replacement Kit	550002274				✓			
High Altitude Kit S50002819 V V V V V V V V V		550002275					✓		
Section Sect		550002808						✓	240010108
Replacement Kit 550002282	_	550002819	✓	✓	✓	✓		✓	240010113
Source S	Igniter	550002190	✓	✓	✓				240000502
Source S	Replacement Kit	550002282				✓	✓	✓	240008592
S50002323	I aman Tankah	550002322	√	√	✓				
S50002806		550002323				√	√		
S50002304 V	керіасеттепт кіт	550002806						✓	
Source S		550002303	✓						
Source S		550002304		✓					
S50002306	LP Gas Conversion	550002305			√				1
S50002799	Kit	550002306				✓			- 240008957
S50002799		550002307					√		
Multi Boiler Sensor 550002186 V<			1					√	
Upper Jacket 550002320 ✓ ✓ ✓ ✓ N/A S50002321 ✓ ✓ ✓ ✓ N/A User Interface Replacement Kit 550002299 ✓ <td></td> <td></td> <td>✓</td> <td>✓</td> <td>√</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>240008959</td>			✓	✓	√	✓	✓	✓	240008959
Upper Jacket 550002321 ✓ ✓ N/A See Interface 550002299 ✓		550002320	✓	√	√				
Seplacement Kit S50002805 V V V V V V V V V		550002321				√	√		N/A
User Interface 550002299 ✓	Replacement Kit		+					√	
Wire Harness 550002300 ✓ ✓ ✓ ✓ 240008953			✓	✓	√	✓	✓		240009314
Wire Harness 550002315 240008953	·	550002300	✓	√	√				
Replacement Kit						✓	✓		240008953
550002815 V	Replacement Kit		+	-				✓	



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